

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FP-CE 2563	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.
International application No. PCT/US 97/07725	International filing date (<i>day/month/year</i>) 08/05/1997	(Earliest) Priority Date (<i>day/month/year</i>) 08/05/1996
Applicant CEDARS-SINAI MEDICAL CENTER et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.
 It is also accompanied by a copy of each prior art document cited in this report.

1. Certain claims were found unsearchable (see Box I).
2. Unity of invention is lacking (see Box II).
3. The international application contains disclosure of a nucleotide and/or amino acid sequence listing and the international search was carried out on the basis of the sequence listing
 - filed with the international application.
 - furnished by the applicant separately from the international application,
 - but not accompanied by a statement to the effect that it did not include matter going beyond the disclosure in the international application as filed.
 - Transcribed by this Authority
4. With regard to the title, the text is approved as submitted by the applicant.
 the text has been established by this Authority to read as follows:
5. With regard to the abstract,
 - the text is approved as submitted by the applicant.
 - the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this International Search Report, submit comments to this Authority.
6. The figure of the drawings to be published with the abstract is:

Figure No. 8

 - as suggested by the applicant.
 - because the applicant failed to suggest a figure.
 - because this figure better characterizes the invention.

None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 97/07725

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 6	C12N15/00	C12N15/12	C12N5/10	C07K14/47	C07K16/18
	C12Q1/68	G01N33/577	A01K67/027		

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 6 C12N C07K C12Q G01N A01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E	WO 97 17445 A (CENTRE NAT RECH SCIENT ; INST NAT SANTE RECH MED (FR); TORA LAZSLO) 15 May 1997 see page 18, line 25 - page 21, line 14 ----	1-30, 37-43
X	NATURE, vol. 378, no. 6555, 23 November 1995, pages 403-406, XP002009617 Trottier Y ET AL: "POLYGLUTAMINE EXPANSION AS A PATHOLOGICAL EPITOPE IN HUNTINGTON'S DISEASE AND FOUR DOMINANT CEREBELLAR ATAXIAS" see the whole document ----	24,25,39 -/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *&* document member of the same patent family

1

Date of the actual completion of the international search 28 August 1997	Date of mailing of the international search report 16.09.97
---	--

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+ 31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+ 31-70) 340-3016

Authorized officer

Hornig, H

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 97/07725

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	NEUROLOGY, vol. 45, no. S4, April 1995, MINNEAPOLIS, US, page A422 XP002039148 S.-M. PULST ET AL.: "Genetic and physical map of the spinocerebellar ataxia 2 (SCA2) region on human chromosome" abstract no. 931S see abstract ---	1-43
A	WO 95 01437 A (UNIV MINNESOTA) 12 January 1995 see the whole document ---	1-43
P,X	HUMAN MOLECULAR GENETICS, vol. 5, no. 12, December 1996, pages 1887-1892, XP002027564 STEVANIN G ET AL: "SCREENING FOR PROTEINS WITH POLYGLUTAMINE EXPANSIONS IN AUTOSOMAL DOMINANT CEREBELLAR ATAXIAS" see the whole document ---	24,25,39
P,X	NATURE GENETICS, vol. 14, no. 3, November 1996, NATURE PUBLISHING CO., NEW YORK, US, pages 269-276, XP002039149 S.-M. PULST ET AL.: "Moderate expansion of a normally biallelic trinucleotide repeat in spinocerebellar ataxia type 2" see the whole document ---	1-23,37, 40
P,X	NATURE GENETICS, vol. 14, no. 3, November 1996, NATURE PUBLISHING CO., NEW YORK, US, pages 277-284, XP002039150 K. SANPEI ET AL.: "Identification of the spinocerebellar ataxia type 2 gene using a direct identification of repeat expansion and cloning technique, DIRECT" see the whole document ---	1-23,37, 40
P,X	NATURE GENETICS, vol. 14, no. 3, November 1996, NATURE PUBLISHING CO., NEW YORK, US, pages 285-191, XP000647543 G. IMBERT ET AL.: "Cloning of the gene for spinocerebellar ataxia 2 reveals a locus with high sensitivity to expanded CAG/glutamine repeats" see the whole document -----	1-30, 37-43

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 97/07725

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9717445 A	15-05-97	FR 2741088 A	16-05-97
-----	-----	-----	-----
WO 9501437 A	12-01-95	CA 2166117 A	12-01-95
		EP 0707647 A	24-04-96
		JP 9501049 T	04-02-97
-----	-----	-----	-----